

In the Claims

Cancel claims 1 through 20 without prejudice, and substitute respective new claims 21 through 40 as follows:

21. Electric motor comprising a stator having a bore in which a rotor is located, and having a control arrangement having at least one coil with a core, the coil being loaded by motor current, the core of the coil being located on the stator, and ^{N:2} iron of the stator being used for a magnetic circuit.

22. Motor according to claim 21, in which the core is part of the stator.

23. Motor according to claim 21, in which the stator has at least one flux restriction for separation of magnetic flux of the coil on one side and magnetic flux of ¹¹² the stator winding on the other side.

24. Motor according to claim 23, in which the flux restriction comprises at least one hole in the stator, which is filled with a magnetically non- or poorly conducting material.

25. Motor according to claim 24, including a cooling medium in the hole.

26. Motor according to claim 21, in which the core only extends over part of the axial length of the stator.

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27. Motor according to claim 21, in which the stator has a substantially rectangular cross section and the coil is located in a corner of this cross section.

28. Motor according to claim 21, in which the stator and the core are formed with laminated sheet plates.

29. Motor according to claim 28, in which the core is formed by the same process used for forming the laminated sheets of the stator.

30. Motor according to claim 28, in which in an axial direction the stator consists of at least two different types of laminated sheet plates having different shapes, of which one has no core forming area.

31. Motor according to claim 21, in which the coil is fitted on a coil carrier shaped to be pushed onto the core.

32. Motor according to claim 21, in which the core is substantially oriented in a radial direction.

33. Motor according to claim 32, in which the core is located in a volume in the stator, which volume is closed by a cover.

34. Motor according to claim 33, in which the cover is welded onto the stator.

35. Motor according to claim 21, in which the core is substantially parallel to one outside of the stator.

36. Motor according to claim 35, in which the core is offset from the outside.

37. Motor according to claim 21, in which the core has the profile of an EI-core.

38. Motor according to claim 21, including several coils, each coil having its own core.

39. Motor according to claim 38, in which at least two of the coils are part coils of a function coil from the group consisting of intermediary circuit coil, filter coil, noise suppression coil or motor coil.

40. Motor according to claim 38, in which the coils are at least two different function coils from the group consisting of intermediary circuit coil, filter coil, noise suppression coil or motor coil.

Remarks

The above amendments are being made in order to eliminate multiple dependency and improper multiple dependency, and also conform the claims to U.S. practice. Should any multiple dependency remain, that is unintended, and the Patent and Trademark Office is requested to cancel all remaining multiple dependent claims without prejudice before calculation of the application filing fee.